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(54) ORGANIC ELECTROLUMINESCENCE ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic EL element which has long service life and obtains highly efficient luminescence.

SOLUTION: The organic electroluminescence element has a pair of electrodes and an organic luminescence medium layer sandwiched between these electrodes, wherein the organic luminescence medium layer has a mixed layer which contains (A) a kind of hole transport property compound at least and (B) a kind of electron transport property compound at least, and the energy gap E_{g1} of the above hole transport nature compound and the E_{g2} of the electron transport property compound satisfy the relation $E_{g1} < E_{g2}$. The organic electroluminescence element is characterized by emitting a light, by combining the electron and the hole in the above organic luminescence medium layer.

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